

ABSTRACT

An IC tag for monitoring opening/closing operation 86 is attached on the backside of the glass frame 111 at its upper right portion, and on a main body frame 110 opposing to the glass frame 111, an antenna for monitoring 68 is attached. An IC tag for monitoring opening/closing operation 186 is attached on the inside of the right frame of the wooden frame 112, and on the main body frame 111 opposing to the wooden frame 112, an antenna for monitoring 168 is attached. The distance between these antenna and IC tags is respectively set to about 3 mm in a state where the frames on which they are provided are closed. A R/W unit always polls the IC tags via the antennas. When the glass frame 111 or the main body frame 110 is opened and the distance between the antenna and the IC tag exceeds about 5mm, the communication becomes unavailable and this state is immediately detected. An antenna for key 128 is buried above a keyhole 120. When a key incorporating an IC tag for key therein is inserted in the keyhole 120, the R/W unit reads the ID code of the IC tag. A solenoid for locking operation is turned on only when the read ID code is identical to the registered ID so as to pull a plunger for unlocking the frame.